

Tacóra series

Conventional and hybrid fire alarm control units



Fire detection
Line



EL.MO. S.p.A.



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Fighting fire power with another powerful element: technology. This is the challenge EL.MO issues with the 4 versions of Tacóra series control units: a family of advanced and performing fire panels, for prevention and safety of medium to large applications, such as those realized in **banks, industrial, commercial, and residential buildings**.

Tacóra series control units are available in various versions, can be setup according to the single systems needs, and adopt the **dual working mode – conventional and conventional/analogue-addressable** – to ensure the most detailed monitoring of fire risks.

In spite of the excellent performance capability, the panels are **very easy to setup and operate**: the user-friendly interface, with graphic display and LED indicators, allows to operate the system effectively and in a fast and intuitive way.

Tacóra series range



TA1002

2 conventional
zones



TA1004

4 conventional
zones



TA2000

4 conventional zones
(extension up to 12)
+
1 loop



TA4000

4 conventional zones
+
2 loops



Tacóra series key points



The TACÓRA series includes 4 different control units which can manage up to 2, 4 or 12 conventional zones. TA2000 and TA4000 are hybrid central units which can manage simultaneously both conventional zones and analogue-addressed loops.

Many products can be connected to the IE2 detection loop of the TA2000 and TA4000 control units. Indeed, the use of proper modules makes it possible to interface with optical-acoustic devices and linear smoke detectors, besides sensors and call points.



Optional module MDGSME enables interfacing with the GSM network. The module allows sending alarm SMS and status reporting according to the chosen settings.

TACÓRA series control units are easy to configure from PC with BrowserOne software. The configuration enables a customization of functions and the creation of extremely functional systems. TACÓRA central units may be integrated in supervision software GLOBALPRO*.



TACÓRA central units are not limited to fire detection, but also have an active role in the extinguishing process through certified optional module EXTING.

TACÓRA control units meet the highest security and quality standards. They are CPR 305/2011 (former CPD 89/106/EEC), EN54-2 and EN54-4, EN54-21 (with GSM module) and EN12094-1 (with extinguishing module) certified.









TACÓRA control units expand their operating range thanks to the possibility of connecting via RS485 up to 2 TAREPEATER repeater panels. They indicate in real time all the messages and statuses of the central unit they are connected to, so it can be remote-controlled.

The graphic display shows the service status at any time. In the event of anomaly or alarm the display colour changes. The keys and LED indicators on the front side allow immediate reading and easy interaction with the control unit.



Conventional control units

Model	TA1004	TA1002
Product code	ICCTA0101400  ICCTA0101401 	ICCTA0101300  ICCTA0101301 
		
	4 Conventional zones	2 conventional zones
Conventional zones	4 zones	2 zones
Conventional expansion	/	/
Hybrid expansion: conventional and analogue-addressable	/	/
Loop expansion board	/	/
Dedicated conventional call points zone	1	1
Relay outputs	1 relay output for "fault" 1 relay output for "pre-alarm" 2 configurable relay outputs	1 relay output for "fault" 1 relay output for "pre-alarm" 2 configurable relay outputs
Supervised output	1 supervised output for "alarm"	1 supervised output for "alarm"
Display	Multicolor backlit graphic display	Multicolor backlit graphic display
Extinguishing module	Optional extinguishing module mod. EXTING	Optional extinguishing module mod. EXTING
Clock	Clock with batteries for events storing	Clock with batteries for events storing
MINI-DIN	1 x MINI-DIN for configuration via software	1 x MINI-DIN for configuration via software
RS485 serial line	RS485 line for the connection of 2 TAREPEATER remote keypads (optional)	RS485 line for the connection of 2 TAREPEATER remote keypads (optional)
Ethernet	Optional FXLAN2 Ethernet module for Ethernet connection	Optional FXLAN2 Ethernet module for Ethernet connection
GSM	MDGSME optional module. It allows to send alarm and status SMS messages	MDGSME optional module. It allows to send alarm and status SMS messages
Protection grade	IP30	IP30
Dimensions and weight	W 320 x H 304 x D 83 mm / 4 kg (Packed product weight)	W 320 x H 304 x D 83 mm / 4 kg (Packed product weight)
Batteries	2 DC12V 7Ah batteries (not supplied)	2 DC12V 7Ah batteries (not supplied)
Power supply	AC230V – 50/60Hz	AC230V – 50/60Hz
Power supply unit	DC29V / 2.6 A Max (supplied)	DC29V / 2.6 A Max (supplied)
Current consumption (DC24V)	40 mA max	30 mA max
Certifications	Certified CPR 305/2011 (ex CPD 89/106/EEC certification) EN 54-2, EN 54-4, EN12094-1 (with optional EXTING extinguishing module), EN 54-21 (with optional MDGSME GSM module)	



Small size

The conventional systems of the Tacóra line are particularly suitable for installation in small or medium size sites like stores and offices.



Advantageous

The Tacóra conventional systems guarantee the maximization of the price/performance ratio, offering high performance and security standard with a limited initial investment



Ease

The systems based on Tacóra conventional control units feature extreme ease of use during both installation and configuration through the provided browser.









Multi-purpose

You can improve the functionalities of the Tacóra conventional control units by installing the EXTING optional module that integrates command and control of extinguishing systems.



Hybrid control units

Model	TA4000	TA2000
Product code	ICCTA0102400  ICCTA0102401 	ICCTA0101500  ICCTA0101501 
		
	Hybrid configuration 4 conventional zones + 2 x Analogue-addressable loops	Hybrid configuration 4 x conventional zones expandable to 12 + 1 x Analogue-addressable loop
Conventional zones	4 zones	
Conventional expansion	-	Up to 12 conventional zones with 1 TAEXP10 board
Hybrid expansion: conventional and analogue-addressable	4 conventional zones + up to 2 x Analogue-addressable loops with 2 loop optional boards (2 x TALOOP modules for IE2 or 2 x TAEXP20 modules for AS or 1 x MIEXP254 module for IE1)	Up to 12 conventional zones with 1 TAEXP10 optional board + 1 x Analogue-addressable loop with 1 loop optional boards (TALOOP for IE2 loop or TAEXP20 for AS loop or MIEXP254 for IE1 loop)
Dedicated conventional call points zone	1	
Relay outputs	1 relay output for fault 1 relay output for pre-alarm 2 configurable relay outputs	1 relay output for fault 1 relay output for pre-alarm 2 configurable relay outputs
Supervised output	1 supervised output for alarm	1 supervised output for alarm
Display	Multicolor backlit graphic display	Multicolor backlit graphic display
Extinguishing module	Optional extinguishing module mod. EXTING	Optional extinguishing module mod. EXTING
Clock	Clock with batteries for events storing	Clock with batteries for events storing
MINI-DIN	1 x MINI-DIN for configuration via software	1 x MINI-DIN for configuration via software
RS485 serial line	RS485 line for the connection of 2 TAREPEATER remote keypads (optional)	RS485 line for the connection of 2 TAREPEATER remote keypads (optional)
Ethernet	Optional FXLAN2 Ethernet module for Ethernet connection	Optional FXLAN2 Ethernet module for Ethernet connection
GSM	MDGSME optional module. It allows to send alarm and status SMS messages	MDGSME optional module. It allows to send alarm and status SMS messages
Protection grade	IP30	IP30
Dimensions and weight	W 500 X H 450 X D 200 mm / 6 kg	W 390 X H 390 X D 99 mm / 6.2 kg (Packed product weight)
Batteries	2 batteries DC12V 26Ah (not supplied)	2 batteries DC12V 18Ah (not supplied)
Power supply	AC230V – 50/60Hz	
Power supply unit	DC29V / 3.45 A max (supplied)	DC29V / 2.6 A max (supplied)
Current consumption (DC24V)	80 mA max	
Certifications	Certified CPR 305/2011 (ex CPD 89/106/EEC certification) EN 54-2, EN 54-4, EN12094-1 (with optional EXTING extinguishing module), EN 54-21 (with optional MDGSME GSM module)	
Versions	-	Available intrinsically safe version (on conventional zones) for ATEX detection



Large systems

The TA2000 and TA4000 control units are the best solution to build up large size systems, since they allow adding the management of 1 or 2 analogue-addressable loops to the conventional zones.



Accurate detection

The analogue-addressable systems allow precise identification of the location where a fire has broken out. The devices and the control unit are able to properly communicate to guarantee maximum security thanks to a specific communication protocol.



Line isolators

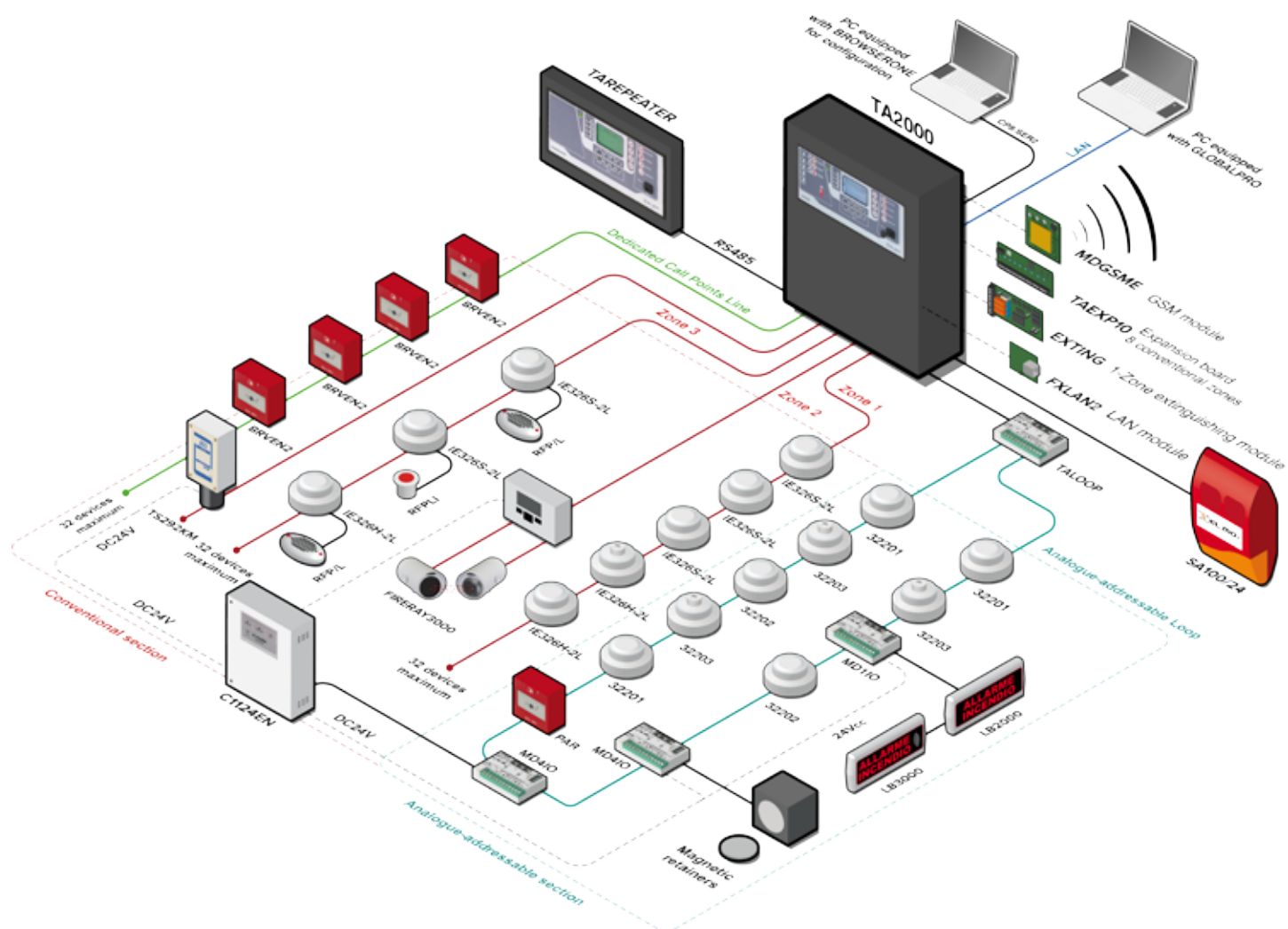
All the devices for IE2 loop feature a built-in line isolator. In this way, in case a short circuit occurs in a specific point along the loop, it is guaranteed that the remaining loop section keeps working properly.



Full product range












The IE2 loop device series is very wide and it includes detectors, call points, modules and loop sounders

Functional scheme





Compatible products

TAEXP10		TALOOP		TAREL24		TAREPEATER							
													
8 conventional zone expansion module		IE2 loop expansion module		4 relay module		Repeating panel							
EXTING		FXLAN2		MDGSME		GSMACI / GSMEXA2 / GSMEXA15							
													
Extinguishing module		LAN module		GSM module		Antennas							
IE326S-2L		IE326H-2L		IE326SH-2L		BRVEN2		BRVENIP					
													
Conventional smoke detector		Conventional heat detector		Conventional smoke + heat detector		Conventional indoor manual call point		Conventional outdoor manual call point					
32201		32202		32203		PAR		PAR67					
													
IE2 Analogue-addressable smoke detector		IE2 Analogue-addressable heat detector		IE2 Analogue-addressable smoke + heat detector		IE2 Analogue-addressable indoor manual call point		IE2 Analogue-addressable outdoor manual call point					
MDSPLIT		MD1P / MD2P		MD1IO / MD4IO		MDCONV		LSOUND		BSOUND		COPB/COPR	
													
IE2 Loop split module		IE2 1 or 2 doors control module		IE2 1 IN/1 PUT or 4 IN/4 OUT module		IE2 Conventional zone module		IE2 Loop sounder		IE2 Base loop sounder		IE2 Covers for BSOUND	
LB3000		LB2000		SA100/24		RFPLI							
													
Fire alarm panel with flasher		Fire alarm panel		Outdoor siren		LED optical repeater							



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